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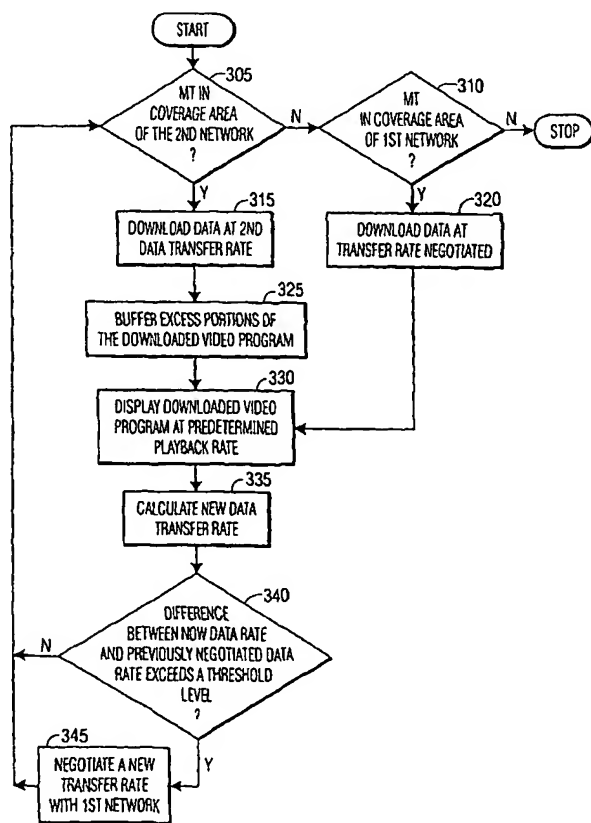
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[Continued on next page]

(54) Title: **EVER-DECREASING NETWORK QOS REQUIREMENTS FOR STORED VIDEO STREAMING IN A MOBILE WIRELESS INTERWORKING ENVIRONMENT**



(57) Abstract: A method for downloading and displaying a video program using a mobile terminal (100) that includes a first radio access network (210) having a first data transfer rate and a second radio access network (220) having a second data transfer rate faster than the first data transfer rate. The downloaded video program is displayed at a predetermined playback rate. Excess portions of the downloaded video program that result when a rate at which the video program is downloaded exceeds the predetermined playback rate are buffered. A third data transfer rate that is lower than the first transfer rate is calculated in response to the predetermined playback rate, the buffered excess portions and the time duration of the remainder of the video program. The third data transfer rate is negotiated with the first network (210) for downloading the video program when the difference between first and third data transfer rates exceeds a threshold level.

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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/19521

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04N 7/173

US CL : 725/90,93-96,98,116

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 725/90,93-96,98,116

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
East: playback, data, rate, first, second, third, networks, satellites, VOD, buffer, buffering

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,301,231 B1 (HASSAN et al) 09 October 2001 (09.10.2001), Column 1, Lines 15-20, 31-35; Column 2, Lines 2-16;	1-14
Y	US 6,097,422 A (AREF et al) 01 August 2000 (01.08.2000), Column 2, Lines 45-61; Column 3, Lines 25-49; Column 4, Lines 42-67; Column 5, Lines 1-33	1-14

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	
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